

**IN THE CLAIMS:**

The following claim listing will replace all prior claim listings.

1. (*Currently Amended*) A fluid mixer for pressure feeding ~~by pressure~~ fluids flowing through at least two supply lines to a mixing line at an arbitrary ratio, each supply line comprising a diaphragm for adjusting the flow rate of the fluids provided on the upstream side from a point where said at least two supply lines are merged to the mixing line and ~~as well as~~ a pressure reducing valve ~~on~~ further upstream side of said diaphragm and in series therewith, and a back pressure valve in ~~on~~ said mixing line.

2. (*Currently amended*) A fluid mixer of claim 1, further comprising a flow meter, wherein the ~~the~~ [[a]] back pressure valve and a flow meter are arranged in series in the mixing line.

3. (*Currently amended*) A fluid mixer of claim ~~1~~ or 2, the diaphragm being selected from wherein a fixed orifice and ~~[[or]]~~ a regulating valve ~~is used for a diaphragm~~.

4. (*Currently amended*) A fluid mixer of either of claims 2 or 3 ~~claim 1~~ ~~or 2~~, wherein the pressure reducing valve and the back pressure valve are automatic valves.